



U.S. DEPARTMENT OF ENERGY  
Office of Electricity Delivery and Energy Reliability  
Infrastructure Security and Energy Restoration

# ENERGY ASSURANCE DAILY

Friday Evening, February 06, 2009

## Electricity

### Update: More than 125,000 Remain Without Power across U.S. Midwest February 6

An estimated 128,444 customers remained without power in the U.S. Midwest February 6, eleven days after ice storms cut power to about 1.7 million customers in states from Oklahoma to West Virginia. The following table lists peak outages and restoration figures, based on latest available numbers.

U.S. Midwest Customer Outages January 27-February 6, 2009			
Electric Utility	State	Peak	Latest Reported
Arkansas Electric Cooperatives	AR	204,300	40,480
Entergy Arkansas	AR	110,324	10,744
AEP SWEPCO	AR	59,000	0
Louisville Gas & Electric	KY	205,000	600
Kentucky Utilities	KY	199,000	20,000
TVA	KY	89,000	
AEP Kentucky Power	KY	32,372	0
Duke Energy	KY	17,445	0
Kentucky Cooperatives	KY	148,071	18,642
Kenergy	KY	40,000	20,423
AEP Ohio	OH	124,118	0
Duke Energy	OH	42,626	0
South-Central Power	OH	27,912	156
Duke Energy	IN	67,797	0
Vectren Energy	IN	56,000	0
Jackson REMC	IN	4,000	0
Missouri Electric Cooperatives	MO	63,000	13,325
Ameren	MO	35,964	0
Missouri Public Utilities Alliance	MO	27,000	4,000
Appalachian Power	WV	46,217	0
Allegheny Power	WV	7,644	9
Oklahoma Electric Cooperatives	OK	38,788	
OG&E	OK	10,500	0
AEP Oklahoma	OK	1,500	0
Ameren	IL	11,772	53
Appalachian Power	VA	8,829	0
TVA	TN	19,000	
Knoxville Utilities Board	TN	6,589	0
Allegheny Power	PA	6,310	12
<b>TOTAL*</b>		<b>1,710,078</b>	<b>128,444</b>

\*Total outages only represent electric utilities listed in this table.

Notes: Shaded cells represent electric utilities that have not posted new outage numbers for over 48-hours.

Sources:

Arkansas Electric Cooperatives: <http://www.aecc.com/files/pdf/newsrelease/2009/020609a.pdf>

Entergy Arkansas: <http://www.entropy-arkansas.com/outages/ar.aspx>

AEP SWEPSCO: <http://www.swepco.com/news/outages/>

Louisville Gas & Electric: <http://www.eon-us.com/storm/default.asp>

Kentucky Utilities: <http://www.eon-us.com/storm/default.asp>

TVA: [http://www.tva.gov/news/ice\\_storm.htm](http://www.tva.gov/news/ice_storm.htm)

AEP Kentucky Power: <http://www.kentuckypower.com/news/outages/>

Duke Energy-Kentucky: <http://www.duke-energy.com/kentucky/outages/current.asp>

Kentucky Electric Cooperatives: [http://psc.ky.gov/ors/PublicInfo\\_OutageIncidents.aspx](http://psc.ky.gov/ors/PublicInfo_OutageIncidents.aspx)

Kenergy Corp.: [http://psc.ky.gov/ors/PublicInfo\\_OutageIncidents.aspx](http://psc.ky.gov/ors/PublicInfo_OutageIncidents.aspx)

AEP Ohio: <http://www.aepohio.com/news/outages/default.asp>

Duke Energy-Ohio: <http://www.duke-energy.com/kentucky/outages/current.asp>

South-Central Power: [http://www.southcentralpower.com/OW/ow\\_map.aspx?county=0](http://www.southcentralpower.com/OW/ow_map.aspx?county=0)

Vectren Energy: [http://www.14wfi.com/Global/story.asp?S=9797153&nav=menu54\\_2](http://www.14wfi.com/Global/story.asp?S=9797153&nav=menu54_2)

Duke Energy-Indiana: <http://www.duke-energy.com/indiana/outages/current.asp>

Jackson REMC: <http://www.jacksonremc.com/outages.htm>

Missouri Electric Cooperatives: <http://sema.dps.mo.gov/SitReps/2009/SITREP%2002062009%2011%20am.pdf>

Ameren Missouri: <http://sema.dps.mo.gov/SitReps/2009/SITREP%2002062009%2011%20am.pdf>

Missouri Public Utilities: <http://sema.dps.mo.gov/SitReps/2009/SITREP%2002062009%2011%20am.pdf>

Appalachian Power: <http://www.appalachianpower.com/news/outages/default.asp>

Allegheny Power: [http://app.alleghenyenergy.com/outagestatus/OMS\\_Customer\\_Option.aspx](http://app.alleghenyenergy.com/outagestatus/OMS_Customer_Option.aspx)

Oklahoma Electric Cooperatives:

[http://www.ok.gov/OEM/Emergencies\\_&Disasters/2009/WinterWeatherEvent20090126-6.html](http://www.ok.gov/OEM/Emergencies_&Disasters/2009/WinterWeatherEvent20090126-6.html)

OG&E: <http://www.oge.com/systemwatch/>

AEP Oklahoma: <http://www.psoklahoma.com/news/outages/default.asp>

Ameren Illinois: [http://www.ameren.com/Outage/ADC\\_IllinoisOutageInformation.asp](http://www.ameren.com/Outage/ADC_IllinoisOutageInformation.asp)

Knoxville Utilities Board: [http://www.kgis.org/website/kub\\_outage/mainpage.htm](http://www.kgis.org/website/kub_outage/mainpage.htm)

### **Entergy's 836 MW Arkansas Nuclear Unit 1 in Arkansas Shut by February 6**

The company shut Unit 1 after an air leak was discovered in a non-nuclear cooling system. According to the Nuclear Regulatory Commission, the unit was operating at 100 percent on the morning of February 5.

Bloomberg News, 10:59 February 6, 2009

Information also derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

### **AEP's 675 MW Pirkey Coal-fired Unit in Texas Shut on February 5**

According to a filing with state regulators, the company reported an unplanned maintenance outage to repair a boiler tube leak.

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=119768>

Reuters, 19:09 February 5, 2009

### **Reliant's 320 MW Etiwanda Gas-fired Unit 3 in California Shut by February 5**

According to the California Independent System Operator, the unit experienced an unplanned outage by February 5.

<http://www.caiso.com/unitstatus/data/unitstatus200902051515.html>

### **City of Vernon's 134 MW Malburg Generating Station Gas-fired Unit in California Shut by February 5**

According to the California Independent System Operator, the unit experienced an unplanned outage by February 5.

<http://www.caiso.com/unitstatus/data/unitstatus200902051515.html>

### **Update: AmerGen's 619 MW Oyster Creek Nuke Unit in New Jersey Ramped Up to 60 Percent by February 6**

The unit was ramping up following a February 1 outage due to a main transformer fire. According to the Nuclear Regulatory Commission, the unit was operating at 39 percent on February 5.

Reuters, 07:23 February 6, 2009

Information also derived from NRC Power Reactor Status Reports:

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

## **Progress Energy's 872 MW Brunswick Nuke Unit 1 in North Carolina Reduced to 65 Percent by February 6**

The unit was reduced to allow operators to repair a reactor feedwater pump turbine casing drain. According to the Nuclear Regulatory Commission, the unit was operating at 100 percent on February 5.  
<http://www.reuters.com/article/marketsNews/idUSN0645688620090206>

Information also derived from NRC Power Reactor Status Reports:  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

## **Energy Northwest's 1,107 MW Columbia Nuke Unit in Washington Reduced to 85 Percent by February 6**

According to the Nuclear Regulatory Commission, the unit was operating at 100 percent on February 5. Information derived from NRC Power Reactor Status Reports:  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

## **Update: NPPD's 764 MW Cooper Nuke Unit in Nebraska Ramped Up to 94 Percent by February 6**

According to the Nuclear Regulatory Commission, the unit was operating at 74 percent on February 5. Information derived from NRC Power Reactor Status Reports:  
<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2009/>

## **NRC Reports Contaminated Soil at Entergy's Vermont Yankee Nuclear Plant in Vermont**

The Nuclear Regulatory Commission (NRC) is reporting radioactive contamination present at the site of Entergy's Vermont Yankee nuclear plant with at least 135,000 cubic feet of soil having to be removed from the site once the reactor shuts down. The cost of the removal process will equal approximately \$9.1 million, which the NRC determined will now be allowed to be deposited from the plant's decommissioning savings account.  
<http://www.timesargus.com/article/20090204/NEWS02/902040320/1002/NEWS01>

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## **Petroleum**

### **Chevron Reports New Oil Discovery in Buckskin Field, Gulf of Mexico**

The company is reporting the Buckskin find can be rivaled to the 500 Million-barrel Jack oil field discovery made in the Gulf of Mexico in 2004. Chevron did not provide a cost estimate for development of the new discovery or a target date for beginning production.  
<http://www.bloomberg.com/apps/news?pid=20601207&sid=aPVa3BAbT9z0&refer=energy>

### **Hydrotreater Shut at Petro-Canada's 135,000 b/d Edmonton, Alberta Refinery**

The company is reporting that a naphtha hydrotreater at its Edmonton refinery is down for repair work after an on-site fire last week. A company representative said the refinery will be producing gasoline and diesel at reduced rates until the unit is repaired.  
Bloomberg News, 18:20 February 5, 2009

### **Update: Chevron to Delay Pilot Project at 330,000 b/d Pascagoula, Mississippi Refinery**

A company representative announced February 5 Chevron is delaying plans to build a 3,500 b/d unit to test a new heavy-oil upgrading technology at its Pascagoula, Mississippi, refinery. The representative said the recent drop in oil prices was part of the decision.  
[http://www.downstreamtoday.com/news/article.aspx?a\\_id=14995](http://www.downstreamtoday.com/news/article.aspx?a_id=14995)

### **Sunoco to Curtail Refineries Due to Poor Fuel Demand**

Speaking in a conference call to discuss quarterly earnings, Sunoco CEO said the company will curtail operations at its refineries in order to match operations to market demand expectations. Without giving details as to which refineries will be curtailed and to what extent, Sunoco does operate seven refineries across the U.S. with a combined capacity of approximately 997,000 b/d.  
<http://www.sunocoinc.com/Site/TheCompany>  
<http://uk.reuters.com/article/oilRpt/idUKN0539603320090205?sp=true>

## BP Reports SRU Snag at its 467,720 b/d Texas City, Texas Refinery February 5

According to a filing with state regulators, the sulfur recovery unit experienced an upset.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=119782>

Dow Jones Newswire, 09:30 February 6, 2009

## Natural Gas

### Energy Transfer Completes 56-Mile Katy Expansion Pipeline in Texas

Energy Transfer Partners recently announced the completion of the 56-mile Katy Expansion pipeline project that increases the capacity of the partnership's existing Katy natural gas pipeline in southeast Texas by more than 400 MMcf/d. The 36-inch Katy Expansion project increases the capacity of the pipeline from 700 MMcf/d to more than 1.1 Bcf/d, enhancing transportation service out of the Barnett Shale and Bossier Sands natural gas plays in Texas. Reuters, 14:15 February 5, 2009

<http://www.energytransfer.com/PressReleases.asp?idPressRelease=267>

## Other News

### President Obama Orders DOE to Set Energy Efficiency Standards for Household Appliances

Speaking to the Department of Energy on February 5, President Obama ordered DOE to take charge of a recently signed Presidential Memorandum to set new energy efficiency standards for a broad range of common household appliances. When the standards are fully implemented to cover more energy use of more than 30 product categories, it is estimated the energy savings over the next 30 years would equal the output of all current coal-fired power generation plants operating in the U.S.

[http://www.energy.gov/news2009/documents2009/President\\_Obama\\_DOE.pdf](http://www.energy.gov/news2009/documents2009/President_Obama_DOE.pdf)

Reuters, 14:31 February 5, 2009

### VeraSun Plans to Auction all Ethanol Plants

Dow Jones has reported that VeraSun, currently under Chapter 11 bankruptcy protection, plans to put all of its ethanol plants up for sale by auction. The company owns a total of 16 plants.

<http://uk.reuters.com/article/oilRpt/idUKN0554255320090205>

### EPA Sets Public Comment Period on California's Request to Cut Vehicle CO2 Emissions

The Environmental Protection Agency (EPA) announced it will reconsider California's request to be given the authority to cut greenhouse gas emissions emitted by vehicles, a reverse from the March 2008 decision under the Bush administration that denied the state's request. A 60-day public comment period was enacted by the EPA to seek opinions on the state's request.

<http://yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceecac8525735900400c27/8904b9648e72784e85257555005560f0!OpenDocument>

Reuters, 10:38 February 6, 2009

## Energy Prices

U.S. Oil and Gas Prices			
February 6, 2009			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	39.40	41.70	87.01
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	4.84	4.71	7.80

Source: Reuters

## Energy Notes

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### **Contract Worker Charged in Fake Bomb Threat at Chevron's 330,000 b/d Pascagoula, Mississippi Refinery**

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=15002](http://www.downstreamtoday.com/news/article.aspx?a_id=15002)

### **Equipment Malfunction Reported at Waha Gas Plant in Texas February 6**

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=119820>

### **Fatal Natural Gas Well Accident in Louisiana Caused by Broken Pressurized Tubing**

<http://www.shreveporttimes.com/article/20090205/NEWS01/90205017>

### **FERC to Hold Technical Conference to Seek Feedback on Challenges of Renewable Generation Integration March 2**

<http://www.platts.com/Electric%20Power/News/6131824.xml?p=Electric%20Power/News&sub=Electric%20Power>

### **Alberta to Use Drilling Incentives to Assist Junior Energy Firms to Save Jobs**

<http://www.cbc.ca/canada/edmonton/story/2009/02/05/cgy-stelmach-speech-drilling.html>

### **China Announces Plans to Construct 8 More Strategic Oil Reserve Bases to Add to the 4 Already Built**

[http://www.rigzone.com/news/article.asp?a\\_id=72570](http://www.rigzone.com/news/article.asp?a_id=72570)

## Links

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### ***This Week in Petroleum*** from the Energy Information Administration (EIA)

<http://tonto.eia.doe.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

### ***Weekly Petroleum Status Report*** from EIA

[http://www.eia.doe.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://www.eia.doe.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

Updated after 10:30 AM & 1:00 PM EST every Wednesday.

### ***Natural Gas Weekly Update*** from EIA

<http://tonto.eia.doe.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM EST every Thursday.

## ENERGY ASSURANCE DAILY

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